



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

005001

Memorandum

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Review of Metabolism of [quinoxaline - ^{14}C] and [phenyl- ^{14}C (U)]DPX-Y6202 in Rats

FROM: Whang Phang, Pharmacologist *Whang Phang 3/20/86*
Toxicology Branch
Hazard Evaluation Division (TS-769)

TO: Robert Taylor / Viki Walters, PM #25
Registration Division (TS-769c)

THRU: Clint Skinner, Ph. D. *Clint Skinner 3-20-86*
Head, Section III
and
Theodore M. Farber, Ph. D.
Branch Chief
Toxicology Branch / HED (TS-769)

Chemical: ASSURE (DPX-Y6202)

Caswell No.: 215D

Petitioner: E. I. du Pont de Nemours and Company, Inc.

Accession No.: 073770

This particular metabolism study of ASSURE (DPX-Y6202) was sent to Dynamac Corporation for review. The reviewer found large number of errors and discrepancies in the data tables. I agree with their findings. These errors raise concerns about the reliability of this report, and they prevent further proper evaluation of these data.

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Summary of findings: Dynamac validation of metabolism of [quinoxaline-¹⁴C]
and [phenyl-¹⁴C(U)]DPX-Y6202 in Rats

Upon validation of the data numerous errors were found:

1. Tables I to VI (Recovery of Radioactivity). While some differences could be attributed to "rounding", several recalculated percent of dose totals were different from original data by 0.2 to 10 percent.
2. Tables X to XII (Distribution of Radioactivity in Tissues). Several recalculated percent of dose totals do not agree with the original data. Any corrections made to these data will affect Tables I to VI also.
3. Tables XV to XXVI (Extraction of Radioactivity from Feces/Urine). Several recalculated percent radioactivity extracted totals do not agree with the original data.
4. Data after Table XXIX was not validated.
5. Individual animal data were not provided for the 16 mg/kg dose group.

JP
2/4/86

END